

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|---|------------------|---------|---------------------|
| L7 | 189 | (607/137).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/04 11:15 |
| S1 | 120 | (607/137).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 17:02 |
| S2 | 50 | ("20050137447" "5624376" "5857958" "6190305" "5800336" "5913815" "20010003788" "6398717" "6408496" "6875166" "20040039244" "6113531" "6139488" "5456654" "5554096" "6636768" "6592513" "5370689" "6277148" "6436028" "20020183587" "5788711" "5558618" "5176620" "5318502" "5776144" "5993376" "6193645" "6482144" "4957478" "5015224" "5360388" "6730015" "20020095063" "20020183586" "20050113633" "4601723" "6197060" "6554861" "5772575" "4624672" "4850962" "4957507" "6315710" "6325755" "5680466" "6093417" "6448283" "6751328" "20010027342").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:22 |
| S3 | 2 | ((("5531787") or ("5889847"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 17:14 |
| S7 | 131099 | implant implantable | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:22 |
| S8 | 10986 | (hearing adj aid) cochlea cochlear | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:23 |

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|-----|---------|--|---|----|----|---------------------|
| S9 | 2583 | S7 and S8 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:23 |
| S10 | 176503 | (acoustic sound) and (sensor receiver) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:23 |
| S11 | 1046 | S9 and S10 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:23 |
| S12 | 282525 | acceleration | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:23 |
| S13 | 100 | S11 and S12 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:23 |
| S14 | 603999 | piezoelectric piezosensor resonance resonant (foil adj oscillator) magnetorestrictive capacitive inductive | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:24 |
| S15 | 67 | S13 and S14 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:24 |
| S16 | 1891 | ossicle malleus incus | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:24 |
| S17 | 38 | S15 and S16 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:25 |
| S19 | 3557926 | mass weight mg milligram | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:25 |
| S20 | 36 | S17 and S19 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:25 |
| S21 | 708872 | vibrat\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:27 |

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|-----|---------|---|---|----|----|---------------------|
| S22 | 35 | S20 and S21 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:27 |
| S23 | 195457 | hermetic biocompatible biologically | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:27 |
| S24 | 33 | S22 and S23 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:27 |
| S25 | 33 | S24 and (cochlea cochlear) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:28 |
| S26 | 1272003 | a/d analog digital a-to-d | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:28 |
| S27 | 31 | S25 and S26 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/14 17:28 |
| S28 | 10 | (US-20050137447-\$ or US- 20010003788-\$ or US- 20020138115-\$).did. or (US-5531787-\$ or US- 5624376-\$ or US-5857958- \$ or US-6190305-\$ or US- 5800336-\$ or US-5913815- \$ or US-6398717-\$).did. | US-PGPUB; USPAT | OR | ON | 2006/09/15 10:38 |
| S29 | 4 | S28 and electromechanic \$12 | US-PGPUB; USPAT | OR | ON | 2006/09/15 10:39 |
| S30 | 9 | S28 and transducer | US-PGPUB; USPAT | OR | ON | 2006/09/15 10:39 |
| S31 | 195457 | hermetic biocompatible biologically | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 10:45 |
| S32 | 10 | S28 and S31 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 10:45 |
| S33 | 603999 | piezoelectric piezosensor resonance resonant (foil adj oscillator) magnetorestrictive capacitive inductive | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 10:58 |

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|-----|---------|--|---|----|----|---------------------|
| S34 | 10 | S28 and S33 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:04 |
| S35 | 3 | S28 and (metal metallic) and conductive | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:05 |
| S36 | 4 | S28 and conductive | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:05 |
| S37 | 3 | S28 and (conductive same housing) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:06 |
| S38 | 8 | S28 and (titanium same housing) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:06 |
| S40 | 3 | S28 and S39 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:08 |
| S41 | 1274250 | a/d analog digital a-to-d digitize | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:09 |
| S42 | 3 | S28 and S41 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 12:34 |
| S43 | 2 | S28 and impedance | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:10 |
| S44 | 1891 | ossicle malleus incus | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:10 |
| S45 | 10 | S28 and S44 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:17 |
| S46 | 10 | S28 and (vibration vibratory) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:18 |

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|-----|--------|---|---|----|-----|---------------------|
| S47 | 10 | S28 and (cochlea cochlear) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:21 |
| S48 | 7 | S28 and ((cochlea cochlear) adj implant) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:23 |
| S49 | 10 | S28 and ((middle adj ear) (inner adj ear)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:27 |
| S50 | 10 | S28 and (mass weight mg milligram) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/15 11:32 |
| S51 | 1 | ("20050075576").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/15 11:32 |
| S52 | 10 | ((US-20050137447-\$ or US-20020138115-\$ or US-20010003788-\$).did. or (US-6398717-\$ or US-6190305-\$ or US-5913815-\$ or US-5857958-\$ or US-5800336-\$ or US-5624376-\$ or US-5531787-\$).did. | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:05 |
| S53 | 7 | S52 and ((incus malleus stapes ossicle ossicular) same (disconnect\$3 disarticulat\$3 interrupt \$3)) | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:08 |
| S54 | 115 | ((incus stapes ossicle ossicular) same (disconnect\$3 disarticulat \$3 interrupt\$3)) | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:08 |
| S55 | 673 | ((incus malleus stapes ossicle ossicular) same (sound receiver (hearing adj aid) transducer)) | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:11 |
| S56 | 109 | S54 and S55 | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:12 |
| S57 | 125401 | piezoelectric piezosensor (resonance adj frequency) (foil adj oscillator) magnetorstrictive ((capacitive inductive) adj transducer) | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:13 |
| S58 | 81 | S56 and S57 | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:13 |

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|-----|-----|---|----------------------------------|----|-----|------------------|
| S59 | 2 | S58 and ("a/d" a-d a-to-d converter) and transformer | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:15 |
| S60 | 10 | S58 and ("a/d" a-d a-to-d converter) | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:28 |
| S61 | 6 | S60 and (case housing) and (metal metallic conductive) | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:29 |
| S62 | 81 | S58 and (vibration\$ vibratory) | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:29 |
| S63 | 10 | S60 and (vibration\$ vibratory) | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:29 |
| S64 | 8 | S60 and (case housing) | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:29 |
| S65 | 8 | S60 and (cochlea cochlear) | US-PGPUB; USPAT | OR | ON | 2007/06/10 18:29 |
| S66 | 133 | (607/137). CQLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/06/11 17:33 |
| S67 | 15 | (US-20050137447-\$ or US-20010003788-\$ or US-20020138115-\$).did. or (US-5531787-\$ or US-6398717-\$ or US-6113531-\$ or US-6190305-\$ or US-5800336-\$ or US-5913815-\$ or US-5857958-\$ or US-5624376-\$ or US-6629922-\$ or US-6629923-\$ or US-6592512-\$ or US-6342035-\$).did. | US-PGPUB; USPAT | OR | ON | 2007/09/20 05:57 |
| S68 | 14 | S67 and (permanent\$2) | US-PGPUB; USPAT | OR | ON | 2007/09/20 05:58 |
| S69 | 27 | (disarticulat\$3 disconnect \$3) same incus same stapes | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/11/29 13:01 |
| S70 | 1 | ("20050137447").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/29 12:02 |
| S71 | 1 | S70 and (permanent\$3 disarticulat\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/11/29 12:03 |
| S72 | 1 | S70 and (permanent\$3 disarticulat\$3 disconnect \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/11/29 12:03 |

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|-----|-----|--|----------------------------------|----|-----|------------------|
| S73 | 15 | (disarticulat\$3 disconnect \$3) same incus same stapes same (permanent \$3 remov\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/11/29 13:01 |
| S74 | 12 | \$69 not S73 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/11/29 13:58 |
| S75 | 152 | (607/137).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/11/29 14:19 |
| S76 | 8 | S73 and (ad a/d a-to-d (analog adj digital) impedance transformer) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/11/29 14:19 |
| S77 | 22 | (US-20050137447-\$ or US-20010003788-\$ or US-20020138115-\$).did. or (US-6585637-\$ or US-6540662-\$ or US-6267731-\$ or US-6261223-\$ or US-5282858-\$ or US-5085628-\$ or US-4988333-\$ or US-5531787-\$ or US-6398717-\$ or US-5857958-\$ or US-5913815-\$ or US-6113531-\$ or US-6190305-\$ or US-5800336-\$ or US-5624376-\$ or US-6629922-\$ or US-6629923-\$ or US-6592512-\$ or US-6342035-\$).did. | US-PGPUB; USPAT | OR | ON | 2008/05/14 13:03 |
| S78 | 22 | S77 and (cochlea cochlear) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/05/14 13:03 |
| S79 | 22 | (US-20050137447-\$ or US-20010003788-\$ or US-20020138115-\$).did. or (US-6585637-\$ or US-6540662-\$ or US-6267731-\$ or US-6261223-\$ or US-5282858-\$ or US-5085628-\$ or US-4988333-\$ or US-5531787-\$ or US-6398717-\$ or US-5857958-\$ or US-5913815-\$ or US-6113531-\$ or US-6190305-\$ or US-5800336-\$ or US-5624376-\$ or US-6629922-\$ or US-6629923-\$ or US-6592512-\$ or US-6342035-\$).did. | US-PGPUB; USPAT | OR | ON | 2008/10/06 12:12 |

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|-----|----|--|---|----|----|---------------------|
| S80 | 3 | S79 and (feedline (feed adj line)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/06 12:12 |
| S81 | 22 | (US-20050137447-\$ or US-20010003788-\$ or US-20020138115-\$).did. or (US-6585637-\$ or US-6540662-\$ or US-6267731-\$ or US-6261223-\$ or US-5282858-\$ or US-5085628-\$ or US-4988333-\$ or US-5531787-\$ or US-6398717-\$ or US-5857958-\$ or US-5913815-\$ or US-6113531-\$ or US-6190305-\$ or US-5800336-\$ or US-5624376-\$ or US-6629922-\$ or US-6629923-\$ or US-6592512-\$ or US-6342035-\$).did. | US-PGPUB; USPAT | OR | ON | 2008/12/03 12:16 |
| S82 | 22 | S81 and ((hearing adj aid) cochlea cochlear) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 12:17 |
| S83 | 22 | S81 and ((middle adj ear) (inner adj ear)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 12:22 |
| S84 | 22 | S81 and (ossicle ossicular stapes malleus incus) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 12:22 |
| S85 | 21 | S81 and (lead conductor feedline (feed adj line) wire) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 15:09 |
| S86 | 22 | S81 and (cpu processor microprocessor (signal near2 process\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 15:11 |
| S87 | 14 | S81 and (biocompatible inert hermetic compatible) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 15:14 |
| S88 | 14 | S81 and (ad a-d a/d converter conversion) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 15:15 |
| S89 | 10 | S81 and (impedance transformer) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 15:15 |

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|-----|----|---|---|----|----|---------------------|
| S90 | 16 | S81 and (mass weight grams milligram mg) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 15:30 |
| S91 | 22 | S81 and (cochlea cochlear) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 15:31 |
| S92 | 22 | ((US-20050137447-\$ or US-20010003788-\$ or US-20020138115-\$).did. or (US-6585637-\$ or US-6540662-\$ or US-6267731-\$ or US-6261223-\$ or US-5282858-\$ or US-5085628-\$ or US-4988333-\$ or US-5531787-\$ or US-6398717-\$ or US-5857958-\$ or US-5913815-\$ or US-6113531-\$ or US-6190305-\$ or US-5800336-\$ or US-5624376-\$ or US-6629922-\$ or US-6629923-\$ or US-6592512-\$ or US-6342035-\$).did. | US-PGPUB; USPAT | OR | ON | 2009/04/29 15:11 |
| S93 | 19 | S92 and ("50" excit\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2009/04/29 15:14 |
| S94 | 22 | S92 and ("60" signal process\$3 feedline (feed adj line)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2009/04/29 15:15 |
| S95 | 14 | S92 and ((full\$2 entire\$2 whol\$3) near\$3 implant\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2009/04/29 15:17 |
| S96 | 9 | S92 and (impedance impedance a-to-d a/d a-d (analog near2 digital)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2009/04/29 15:48 |
| S97 | 5 | S92 and ((impedance impedance a-to-d a/d a-d (analog near2 digital)) same convert\$) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2009/04/29 15:48 |
| S98 | 22 | S92 and (ossicle ossicular stapes malleus incus) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2009/04/29 16:57 |
| S99 | 20 | S92 and (stimulat\$3 same (auditory nerve cochle\$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2009/04/29 17:01 |

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